

Please type a plus sign (+) inside this box → +

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM <small>(to be used for all correspondence after initial filing)</small>		Application Number	09/519,076
		Filing Date	March 6, 2000
		First Named Inventor	SALKOFF et al.
		Group Art Unit	1646
		Examiner Name	N. Basi
Total Number of Pages in This Submission	1	Attorney Docket Number	TECH CENTER 1600/2900 018512-000130US

RECEIVED

AUG 06 2001

AUG 06 2001
1600/2900

ENCLOSURES (check all that apply)			
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		<input type="checkbox"/> Assignment Papers <small>(for an Application)</small> <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	
		<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <small>(Appeal Notice, Brief, Reply Brief)</small> <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) <small>(please identify below):</small> <div style="border: 1px solid black; padding: 5px;"> Copies of Statement under 37 CFR §1.821(e); Communication under 37 CFR §§1.821-1.825 and Preliminary Amendment; paper copy of Sequence Listing; and Return Receipt Postcard. </div>	
		Remarks	The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm and Individual name	Townsend and Townsend and Crew LLP Annette S. Parent	
Signature		
Date	Reg. No. 42,058 July 30, 2001	

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date:

July 30, 2001

Typed or printed name	Karen Lovino		
Signature		Date	July 30, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

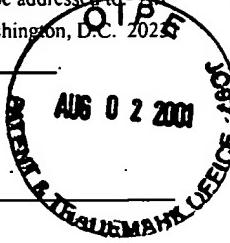
SF 1252514 v1

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Art Unit 1646, Assistant Commissioner for Patents, Washington, D.C. 20231 on JULY 30, 2001

TOWNSEND and TOWNSEND and CREW LLP

By: Karen Lovino
Karen Lovino

PATENT
Attorney Docket No.: 018512-000130US



RECEIVED

AUG 06 2001

TECH CENTER 1600/2900

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Salkoff *et al.*

Application No.: 09/519,076

Filed: March 6, 2000

For: A pH SENSITIVE POTASSIUM CHANNEL IN SPERMATOCYTES

Examiner: N. Basi

Art Unit: 1646

PRELIMINARY AMENDMENT AND RESPONSE TO RESTRICTION REQUIREMENT

Art Unit 1646
Assistant Commissioner for Patents
Washington, D.C. 20231

08/07/2001 GTRMEL 00000003 201430 09519076

SIR:

01 FC:102 160.00 CH This paper is submitted in response to the Restriction Requirement dated June 29,
02 FC:103 180.00 CH

2001. Please amend the application as follows:

IN THE CLAIMS:

Please cancel claims 18 and 20 without prejudice to subsequent revival.

Please amend claims 17, 19, and 21, as follows.

Please add new claims 45-56, as follows.

17. (once amended) An isolated polypeptide monomer of a pH sensitive potassium channel, the monomer:

(i) having a unit conductance of approximately 80-120 pS when the monomer is in a functional tetrameric form of a potassium channel and is expressed in a *Xenopus* oocyte;

(ii) having increased activity above approximately intracellular pH of 7.1; and

6/12
H.G.J
8/7/01